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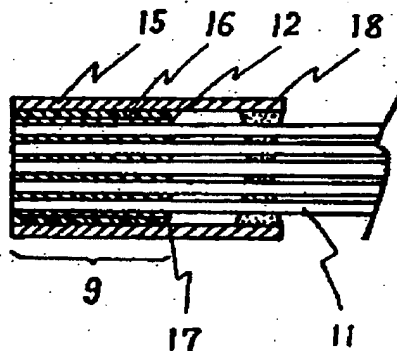
(54) OPTICAL FIBER BUNDLE

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(57) Abstract:

PURPOSE: To prevent a border surface from the generation of cracks by converting a part adjacent to a border between an end part and flexible parts with a non-flexible reinforcing pipe and adhering fibers on the flexible part to the reinforcing pipe at a part separated from the border.

CONSTITUTION: The titled optical fiber bundle prevents the border surface between a plastic substance and glass from the generation of cracks due to the difference of expansion coefficients. The end part 9 unitedly fixed by acid-soluble glass 12 is fixed in the metallic pipe 15 with adhesives 16 such as epoxy resin. Optical fibers 11 separated by removing the acid-soluble glass 12 are hardened by adhesives 18 such as epoxy resin with a proper distance by the border surfaces 17 between the fixed end part 9 and the flexible parts and fixed in the metallic pipe 15 with the same adhesives 18. Said constitution makes it possible to disperse stress due to bending to the parts of the adhesives 18 having proper flexibility.



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